

## PRINthead FLUID SUPPLY SYSTEM

### ABSTRACT

A printhead fluid supply system for use in ink-jet or pulse-jet type printers is described. A manometer feature may be used as a pressure gauge to maintain desired pressure at a printhead. Additional features that may be used in the invention including a supply tubing setup configured to avoid introduction of air into a printhead. The system may be configured to allow for replenishing printing fluid supply while the system is running. This may be accomplished using a secondary fluid supply, to replenish a primary, pressure-compensated fluid reservoir. The system may be used in any sort of ink-jet or pulsejet printing system, such as those commonly used in document production or in more specialized applications such as microarray production.

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